

# Apache Drain Waste & Vent Pipe

**APACHE** brand Impact Coextruded Drain Waste and Vent (DWV) pipe from CertainTeed is performance proven for a broad range of non-pressure applications, and is available in a size and length to suit virtually all of your plumbing requirements. A choice of two thermoplastic materials, ABS and PVC, provides maximum flexibility in system design. Both product lines are inspected, certified and Uniform Plumbing Code (**UPC**) listed by the International Association of Plumbing and Mechanical Officials (**IAPMO**). UPC installation standards must be followed.

**WARNING: Do not use or test PVC or ABS pipe with compressed air or gas, as the sudden release of stored energy can result in a catastrophic failure.**

Product Summary	Pipe Material	
	PVC	ABS
Feature		
Color	White	Black
Size/Class	1-1/2" - 6" SCH40	1-1/2" - 6" SCH40
End Finish	Plain End	Plain End
Product Standard	ASTM F891	ASTM F628
Solvent Cement Specification	ASTM D2564	ASTM D2235
Material Cell Classification	11432 Per ASTM D4396	42222 Per ASTM D3965

## Reference Documents

### PVC

- ASTM F891: Standard Specification for Coextruded PVC Plastic Pipe With a Cellular Core
- ASTM D2564: Standard Specification for Solvent Cements for PVC Plastic Piping Systems
- ASTM D4396: Standard Specification for Rigid PVC and Related Plastic Compounds for Non-Pressure Piping Products

### ABS

- ASTM F628: Standard Specification for ABS Schedule 40 Plastic Drain, Waste and Vent Pipe With a Cellular Core
- ASTM D2235: Standard Specification for Solvent Cement for ABS Plastic Pipe and Fittings
- ASTM D3965: Standard Specification for Rigid ABS Compounds for Pipe and Fittings

Use only the designated solvent cements shown above when joining plastic pipe. Follow solvent cement manufacturer's assembly recommendations and Appendix X2 of the applicable ASTM product standard for satisfactory results. A primer may be used on PVC DWV pipe, in accordance with manufacturer's recommendations, to help assure good chemical penetration during solvent cementing. See following page for additional details on joining plastic pipe and fittings with solvent cement.

## Procedure for Joining Plastic Pipe and Fittings with Solvent Cement

### PVC (Polyvinyl Chloride) Coextruded Cellular Core DWV – Schedule 40

#### ASTM F891 Impact PVC Drain Waste & Vent

#### IAPMO Listed

Size	O.D.	Min. Wall Thk.	Approx. Weight	Feet Per Lift	Part Number	
					10' Length	20' Length
1-1/2"	1.900	0.145	41.7	4740	911516	001514
2"	2.375	0.154	53.9	2980	912018	001804
3"	3.500	0.216	106.0	1380	913015	002306
4"	4.500	0.237	144.8	860	914012	002696
6"	6.625	0.280	252.2	480		003297

### General Notes

- Dimensions in all tables are in inches. Weights are shown in lbs. per 100 ft.
- All dimensions and weights are subject to normal manufacturing tolerances.

### ABS (Acrylonitrile Butadiene-Styrene) Coextruded Cellular Core DWV – Schedule 40

#### ASTM F628 Impact ABS Drain Waste & Vent

#### IAPMO Listed

Size	O.D.	Min. Wall Thk.	Approx. Weight	Feet Per Lift	Part Number	
					10' Length	20' Length
1-1/2"	1.900	0.145	30.0	4740	061518	001491
2"	2.375	0.154	40.0	2980	062010	001781
3"	3.500	0.216	83.0	1380	063017	002269
4"	4.500	0.237	118.0	860	064014	002573
6"	6.625	0.280	207.0	480		003136

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The general steps for joining pipe and fittings are as follows: See preceding page for details on the type of solvent cement to be used.

1. Prior to use, all pipe must be carefully inspected for major imperfections. Defective pipe must be rejected and damaged sections cut out.
2. Cut the pipe square using a hack saw, hand saw with mitre box, power saw with relatively slow feed, or tube cutter with special wheel for cutting plastics. Do not use standard steel pipe and tubing cutters for cutting either PVC or ABS pipe, inasmuch as they can cause excessive heat and pressure which can result in damaged or irregular pipe ends.
3. Remove burrs with sandpaper or knife.
4. After pipe and fitting have been exposed to the same temperature for a reasonable length of time, they must be tested for tight or loose fit before cement is applied. The ideal fit between pipe and fittings before cement is applied is for the pipe to enter the socket easily for a distance of 1/2 to 2/3 of the socket depth.
5. Clean the pipe and fitting socket. Wipe away dust and moisture. Note: If using primer on PVC, apply primer to the pipe and fittings at this time.
6. Brush cement uniformly on the inside of the socket in accordance with solvent cement manufacturer's recommendations and the applicable ASTM standard shown on page 2. Avoid puddling in the socket which can result in formation of a bead on the inside of the fitting when the pipe is inserted.
7. Brush cement generously on the pipe spigot end to the depth of the fitting socket. **Note:** Heavy or excessive application of cement may prevent satisfactory joining. However, a sufficient amount of solvent cement must be used to fill the space between the pipe and fitting.
8. After cement is applied, insert the pipe to the bottom of the socket using a slight twisting motion. **Important:** Hold the pipe and fitting in place for about 30 seconds, or until the cement sets. This will keep the pipe from backing out slightly when pressure is released.
9. Wipe excess cement from the joint with a clean, dry cloth immediately after assembly.
10. The joint may be handled with care after curing for a minimum of 2 minutes. Avoid rough handling or stresses due to misaligned installation. Cure time varies due to temperature and humidity. Therefore, follow solvent cement manufacturer's recommendations for best results prior to leak testing.
11. Keep can containing the cement sealed between operations to avoid moisture absorption and solvent evaporation.
12. Refer to the ASTM standards on preceding page for complete details.

**Important:** DWV cellular core pipe is designed for use in non-pressure applications only. Use of this product in pressure applications may result in system failure.

## Also Available

APACHE PVC Pressure Pipe  
APACHE PVC Plastic Irrigation Pipe  
APACHE PVC Sewer and Drain Pipe

## Apache

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